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C-A OPERATIONS PROCEDURES MANUAL

4.2 Procedure for AGS Access During Cooldown and
Operation of the A20 Cold Snake

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Hand Processed Changes

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Collider-Accelerator Department Chairman Date

P. Ingrassia

4.2 Procedure for AGS Access During Cooldown and Operation of the A20 Cold Snake

1. Purpose

- 1.1 The purpose of this procedure is to provide instructions to C-A Department workers for access into the AGS enclosure when the Siberian snake at A20 is either being cooled or is cold.
- 1.2 The AGS ring enclosure becomes an Oxygen Deficiency Hazard class Zero (ODH0) area when the A20 snake is being cooled or is at operating temperature.

2. Responsibilities

- 2.1 Individual workers are responsible for obeying the ODH postings, if any, found at the AGS gates and at the A15 and B5 main magnets in the AGS ring.
- 2.2 The Maintenance Coordinator is responsible to see that ODH signs are posted at all the entrance gates to the AGS and at AGS main magnets A15 and B5 prior to the start of the cooling of the snake at A20.

3. Prerequisites

- 3.1 Workers that enter the AGS must be trained in C-AD Access Training.
- 3.2 The AGS shall be posted as an ODH0 area prior to the start of the cool down of the snake at A20.
- 3.3 Signs describing potential ODH hazards are posted at AGS entrances and at the A15 and B5 magnets prior the start of the cool down of the snake at A20.
- 3.4 The Access Controls Group has provided “remote” indicators mounted on the ring outer wall at A15 and B5. The “remote” indicators will alert workers when the ODH monitor at A20 is or is not functioning.
- 3.5 Persons who enter the AGS ring enclosure are members of the target group for this procedure.
 - 3.5.1 Persons who enter the AGS and will not work in the enclosure must be trained in this procedure or be escorted by one who is trained.

4. Precautions

- 4.1 ODH0 training requires that IF a worker observes a cloud around A20 or hears a loud noise coming from A20, or if the local ODH monitor at A20 annunciates accompanied by flashing blue lights, THEN they must evacuate the area immediately and inform personnel in the Main Control Room (X4662).

- 4.2 ODH Postings are required to say: A potential ODH hazard exists between the A15 and B5 main magnets. Workers shall verify that the A20 ODH Monitor is operational by viewing the indicator lights at A15 and B5. IF the indicator lights are off then the A20 ODH monitor is not operational. IF the indicator lights are off then do not enter the region between the A15 and B5 magnet without a POM. Contact the Main Control Room (x4662) if the indicators are not lit.

5. Procedure

5.1 To Access the AGS under Controlled Access or Restricted Access

5.1.1 Workers who enter the AGS shall obey ODH postings.

5.1.2 Workers who must traverse the region between the A15 and B5 main magnets must verify that the (A20) ODH Monitor is operational by viewing the indicator lights at the A15 and B5 main magnets.

5.1.2.1 Indicator lights will be found on the ring outer wall at A15 and B5.

5.1.3 IF the indicator light is off then assume that the ODH monitor at A20 is not operational and evacuate the area immediately.

5.1.4 IF the indicator lights are off then do not enter the region between the A15 and B5 magnet without a POM.

5.1.5 IF the indicator lights are off then contact the Main Control Room (x4662)

5.1.5.1 Main Control Room personnel who are informed that the A20 ODH monitor is not operational are responsible to:

5.1.5.2 contact the Access Controls Group to investigate the problem,

5.1.5.3 contact the Maintenance Coordinator and the ESH Coordinator in order to restrict work in that part of the AGS ring.

6. Documentation

None

7. References

None

8. Attachments

None